

Release notes for ENDF/B-VII.1 gammas sublibrary

December 20, 2011

## ERROR SUMMARY

- checkr** Missing a section/file: g-090\_Th\_232.endf, g-092\_U\_233.endf, g-092\_U\_234.endf, g-092\_U\_235.endf, g-092\_U\_236.endf, g-092\_U\_238.endf, g-093\_Np\_237.endf, g-094\_Pu\_238.endf, g-094\_Pu\_239.endf, g-094\_Pu\_240.endf, g-094\_Pu\_241.endf, g-095\_Am\_241.endf
- checkr** Sections out of order in directory so your directory is messed up. This error will break everything else: g-090\_Th\_232.endf, g-092\_U\_233.endf, g-092\_U\_234.endf, g-092\_U\_235.endf, g-092\_U\_236.endf, g-092\_U\_238.endf, g-093\_Np\_237.endf, g-094\_Pu\_238.endf, g-094\_Pu\_239.endf, g-094\_Pu\_240.endf, g-094\_Pu\_241.endf, g-095\_Am\_241.endf
- checkr** Something is invalid, but I don't know what!: g-092\_U\_235.endf
- checkr** This file only allowed in neutron sublibrary: g-090\_Th\_232.endf, g-090\_Th\_232.endf, g-092\_U\_233.endf, g-092\_U\_233.endf, g-092\_U\_234.endf, g-092\_U\_234.endf, g-092\_U\_235.endf, g-092\_U\_235.endf, g-092\_U\_236.endf, g-092\_U\_236.endf, g-092\_U\_238.endf, g-092\_U\_238.endf, g-093\_Np\_237.endf, g-093\_Np\_237.endf, g-094\_Pu\_238.endf, g-094\_Pu\_238.endf, g-094\_Pu\_239.endf, g-094\_Pu\_239.endf, g-094\_Pu\_239.endf, g-094\_Pu\_240.endf, g-094\_Pu\_240.endf, g-094\_Pu\_241.endf, g-094\_Pu\_241.endf, g-095\_Am\_241.endf
- fizcon** A level's energy is somehow off: g-092\_U\_234.endf, g-092\_U\_236.endf, g-094\_Pu\_241.endf
- fizcon** Implied intermediate level energy should be something else: g-093\_Np\_237.endf, g-095\_Am\_241.endf
- fizcon** Missing files (probably nubar for some such thing): g-090\_Th\_232.endf, g-092\_U\_233.endf, g-092\_U\_234.endf, g-092\_U\_236.endf, g-094\_Pu\_238.endf, g-094\_Pu\_241.endf
- fizcon** Missing files (probably spectra for outgoing particles): g-004\_Be\_009.endf, g-007\_N\_014.endf, g-023\_V\_051.endf, g-074\_W\_180.endf, g-074\_W\_182.endf, g-074\_W\_183.endf, g-074\_W\_186.endf, g-090\_Th\_232.endf, g-092\_U\_233.endf, g-092\_U\_234.endf, g-092\_U\_235.endf, g-092\_U\_236.endf, g-092\_U\_238.endf, g-093\_Np\_237.endf, g-094\_Pu\_238.endf, g-094\_Pu\_239.endf, g-094\_Pu\_240.endf, g-094\_Pu\_241.endf, g-095\_Am\_241.endf
- fizcon** Outgoing energy E' not energetically allow: E' .le. E-Q.: g-092\_U\_234.endf, g-092\_U\_236.endf, g-094\_Pu\_238.endf, g-094\_Pu\_241.endf
- fizcon** The cross section and an outgoing distribution don't span the same energy region.: g-001\_H\_002.endf, g-094\_Pu\_239.endf, g-094\_Pu\_241.endf

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g-001\_H\_002.endf

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- **fizcon** Errors:

1. The cross section and an outgoing distribution don't span the same energy region.

```
ERROR(S) FOUND IN MAT= 128, MF= 6, MT= 50
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 50
```

---

g-004\_Be\_009.endf

---

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 102 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 104 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 105 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 106 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

---

g-006\_C\_012.endf

---

- Passed All Checks!

---

g-006\_C\_013.endf

---

- Passed All Checks!

---

g-007\_N\_014.endf

---

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 102 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

---

g-007\_N\_015.endf

---

- Passed All Checks!

---

g-008\_0\_016.endf

---

- Passed All Checks!

---

g-008\_0\_017.endf

---

- Passed All Checks!

\_\_\_\_\_g-008\_0\_018.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-011\_Na\_023.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-012\_Mg\_024.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-012\_Mg\_025.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-012\_Mg\_026.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-013\_Al\_027.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-014\_Si\_028.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-014\_Si\_029.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-014\_Si\_030.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-016\_S\_032.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-016\_S\_033.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-016\_S\_034.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-016\_S\_036.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-017\_Cl\_035.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-017\_Cl\_037.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-018\_Ar\_036.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-018\_Ar\_038.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-018\_Ar\_040.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-020\_Ca\_040.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-020\_Ca\_042.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-020\_Ca\_043.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-020\_Ca\_044.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-020\_Ca\_046.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-020\_Ca\_048.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-022\_Ti\_046.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-022\_Ti\_047.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-022\_Ti\_048.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-022\_Ti\_049.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-022\_Ti\_050.endf\_\_\_\_\_

- Passed All Checks!

g-023\_V\_051.endf

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT  -1 MF  6
PRESENCE OF FILE 3, MT= 102 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 104 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

...

g-024\_Cr\_050.endf

- Passed All Checks!

g-024\_Cr\_052.endf

- Passed All Checks!

g-024\_Cr\_053.endf

- Passed All Checks!

g-024\_Cr\_054.endf

- Passed All Checks!

g-025\_Mn\_055.endf

- Passed All Checks!

g-026\_Fe\_054.endf

- Passed All Checks!

g-026\_Fe\_056.endf

- Passed All Checks!

g-026\_Fe\_057.endf

- Passed All Checks!

g-026\_Fe\_058.endf

- Passed All Checks!

g-027\_Co\_059.endf

- Passed All Checks!

g-028\_Ni\_058.endf

- Passed All Checks!

\_\_\_\_\_g-028\_Ni\_060.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-028\_Ni\_061.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-028\_Ni\_062.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-028\_Ni\_064.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-029\_Cu\_063.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-029\_Cu\_065.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-030\_Zn\_064.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-030\_Zn\_066.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-030\_Zn\_067.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-030\_Zn\_068.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-030\_Zn\_070.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-032\_Ge\_070.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-032\_Ge\_072.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-032\_Ge\_073.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-032\_Ge\_074.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-032\_Ge\_076.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-038\_Sr\_084.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-038\_Sr\_086.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-038\_Sr\_087.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-038\_Sr\_088.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-038\_Sr\_090.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-040\_Zr\_090.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-040\_Zr\_091.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-040\_Zr\_092.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-040\_Zr\_093.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-040\_Zr\_094.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-040\_Zr\_096.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-041\_Nb\_093.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-041\_Nb\_094.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-042\_Mo\_092.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-042\_Mo\_094.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-042\_Mo\_095.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-042\_Mo\_096.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-042\_Mo\_097.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-042\_Mo\_098.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-042\_Mo\_100.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-046\_Pd\_102.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-046\_Pd\_104.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-046\_Pd\_105.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-046\_Pd\_106.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-046\_Pd\_107.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-046\_Pd\_108.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-046\_Pd\_110.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-047\_Ag\_107.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-047\_Ag\_108.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-047\_Ag\_109.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_106.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_108.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_110.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_111.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_112.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_113.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_114.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-048\_Cd\_116.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_112.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_114.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_115.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_116.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_117.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_118.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_119.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_120.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_122.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-050\_Sn\_124.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-051\_Sb\_121.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-051\_Sb\_123.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-052\_Te\_120.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-052\_Te\_122.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-052\_Te\_123.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-052\_Te\_124.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-052\_Te\_125.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-052\_Te\_126.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_g-052\_Te\_128.endf\_\_\_\_\_

- Passed All Checks!  
\_\_\_\_\_g-052\_Te\_130.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-053\_I\_127.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-053\_I\_129.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-055\_Cs\_133.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-055\_Cs\_135.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-055\_Cs\_137.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-059\_Pr\_141.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-062\_Sm\_144.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-062\_Sm\_147.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-062\_Sm\_148.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-062\_Sm\_149.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-062\_Sm\_150.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-062\_Sm\_151.endf\_\_\_\_\_
- Passed All Checks!  
\_\_\_\_\_g-062\_Sm\_152.endf\_\_\_\_\_
- Passed All Checks!

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g-062\_Sm\_154.endf

---

- Passed All Checks!

---

g-065\_Tb\_158.endf

---

- Passed All Checks!

---

g-065\_Tb\_159.endf

---

- Passed All Checks!

---

g-067\_Ho\_165.endf

---

- Passed All Checks!

---

g-073\_Ta\_181.endf

---

- Passed All Checks!

---

g-074\_W\_180.endf

---

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT  -1 MF  6
PRESENCE OF FILE 3, MT= 102 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 104 REQUIRES AN EQUIVALENT SECTION IN FILE 6
...
```

---

g-074\_W\_182.endf

---

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT  -1 MF  6
PRESENCE OF FILE 3, MT=  50 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT=  51 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT=  52 REQUIRES AN EQUIVALENT SECTION IN FILE 6
...
```

---

g-074\_W\_183.endf

---

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT  -1 MF  6
  PRESENCE OF FILE 3, MT= 102 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 104 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 105 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 106 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 107 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

---

g-074\_W\_184.endf

---

- Passed All Checks!

---

g-074\_W\_186.endf

---

- fizcon Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT  -1 MF  6
  PRESENCE OF FILE 3, MT=  50 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT=  51 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT=  52 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  ...
```

---

g-079\_Au\_197.endf

---

- Passed All Checks!

---

g-082\_Pb\_206.endf

---

- Passed All Checks!

---

g-082\_Pb\_207.endf

---

- Passed All Checks!

---

g-082\_Pb\_208.endf

---

- Passed All Checks!

---

g-083\_Bi\_209.endf

---

- Passed All Checks!

---

g-090\_Th\_232.endf

---

- checkr Errors:

1. Missing a section/file

```
ERROR(S) FOUND IN MAT=9040, MF= 1, MT=456
  THIS SECTION REQUIRES THE PRESENCE OF SECTION  1/SEQUENCE NUMBER      1
```

2. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9040, MF= 5, MT= 5
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```
ERROR(S) FOUND IN MAT=9040, MF= 4, MT= 16
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

...

4. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9040, MF= 4, MT= 5
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 5 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 16 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

2. Missing files (probably nubar for some such thing)

```
ERROR(S) FOUND IN MAT=9040, MF= 1, MT=456
THIS SECTION REQUIRES THAT MISSING FILE 1, MT= 452 BE PRESENT
```

---

g-092\_U\_233.endf

---

- **checkr** Errors:

1. Missing a section/file

```
ERROR(S) FOUND IN MAT=9222, MF= 1, MT=456
THIS SECTION REQUIRES THE PRESENCE OF SECTION 1/SEQUENCE NUMBER 1
LFI INCORRECT OR NUBAR-TOTAL MISSING PRECEDING SEQUENCE NUMBER 1
```

2. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9222, MF= 5, MT= 5
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```

ERROR(S) FOUND IN MAT=9222, MF= 4, MT= 16
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

```

...

4. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9222, MF= 4, MT= 5
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

```

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```

ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 5 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 16 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6

```

2. Missing files (probably nubar for some such thing)

```

ERROR(S) FOUND IN MAT=9222, MF= 1, MT=456
THIS SECTION REQUIRES THAT MISSING FILE 1, MT= 452 BE PRESENT
BOTH SECTIONS MF=1, MT=455 AND MT=456 MUST BE PRESENT

```

---

g-092\_U\_234.endf

---

- **checkr** Errors:

1. Missing a section/file

```

ERROR(S) FOUND IN MAT=9225, MF= 1, MT=456
THIS SECTION REQUIRES THE PRESENCE OF SECTION 1/SEQUENCE NUMBER 1
LFI INCORRECT OR NUBAR-TOTAL MISSING PRECEDING SEQUENCE NUMBER 1

```

2. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 5
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```

ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 16
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

```

...

4. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9225, MF= 4, MT= 5
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

```

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```

ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 5 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 16 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6

```

2. A level's energy is somehow off

```

WARNING(S) IN MAT=9225, MF= 3, MT= 18
Q= 0.00000E+00 MIGHT BE UNREASONABLE SEQUENCE NUMBER 1

```

3. Outgoing energy E' not energetically allow: E' .le. E-Q.

```

ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 5
FOR LF=1 EPMAX FOUND TO BE 4.00000E+05 SHOULD BE 0.00000E+00

```

```

ERROR(S) FOUND IN MAT=9225, MF= 5, MT= 16
FOR LF=1 EPMAX FOUND TO BE 4.00000E+05 SHOULD BE 0.00000E+00

```

4. Missing files (probably nubar for some such thing)

```

ERROR(S) FOUND IN MAT=9225, MF= 1, MT=456
THIS SECTION REQUIRES THAT MISSING FILE 1, MT= 452 BE PRESENT
BOTH SECTIONS MF=1, MT=455 AND MT=456 MUST BE PRESENT

```

- checkr Errors:

1. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9228, MF= 4, MT= 18
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

2. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9228, MF= 5, MT= 18
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```
ERROR(S) FOUND IN MAT=9228, MF= 5, MT=455
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

4. Something is invalid, but I don't know what!

```
ERROR(S) FOUND IN MAT=9228, MF= 1, MT=458
MT= 458 FOR NSUB= 0 INVALID SEQUENCE NUMBER 1
```

5. Missing a section/file

```
ERROR(S) FOUND IN MAT=9228, MF= 6, MT= 16
SECTION MAT= 9228 MF= 4 MT= 18 IS MISSING
SECTION MAT= 9228 MF= 5 MT= 18 IS MISSING
SECTION MAT= 9228 MF= 5 MT= 455 IS MISSING
```

- fizcon Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

- checkr Errors:

1. Missing a section/file

```

ERROR(S) FOUND IN MAT=9231, MF= 1, MT=456
  THIS SECTION REQUIRES THE PRESENCE OF SECTION 1/SEQUENCE NUMBER      1
  LFI INCORRECT OR NUBAR-TOTAL MISSING  PRECEDING SEQUENCE NUMBER      1

```

2. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9231, MF= 5, MT= 5
  FILE 5 NOT ALLOWED FOR NSUB =      0          SEQUENCE NUMBER      1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999

```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```

ERROR(S) FOUND IN MAT=9231, MF= 4, MT= 16
  OUT OF SEQUENCE AT          SEQUENCE NUMBER      1
  FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER      1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999
...

```

4. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9231, MF= 4, MT= 5
  FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER      1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999

```

- **fizcon Errors:**

1. Missing files (probably spectra for outgoing particles)

```

ERROR(S) - MISSING SECTIONS IN MAT  -1 MF 6
  PRESENCE OF FILE 3, MT= 5 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 16 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6

```

2. A level's energy is somehow off

```

WARNING(S)      IN MAT=9231, MF= 3, MT= 18
  Q= 0.00000E+00 MIGHT BE UNREASONABLE          SEQUENCE NUMBER      1

```

3. Outgoing energy E' not energetically allow: E' .le. E-Q.

```

ERROR(S) FOUND IN MAT=9231, MF= 5, MT= 5
  FOR LF=1 EPMAX FOUND TO BE 4.00000E-05 SHOULD BE 0.00000E+00

```

```

ERROR(S) FOUND IN MAT=9231, MF= 5, MT= 16
  FOR LF=1 EPMAX FOUND TO BE 4.00000E-05 SHOULD BE 0.00000E+00

```

4. Missing files (probably nubar for some such thing)

```
ERROR(S) FOUND IN MAT=9231, MF= 1, MT=456
THIS SECTION REQUIRES THAT MISSING FILE 1, MT= 452 BE PRESENT
BOTH SECTIONS MF=1, MT=455 AND MT=456 MUST BE PRESENT
```

---

g-092\_U\_238.endf

---

• checkr Errors:

1. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9237, MF= 4, MT= 18
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

2. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9237, MF= 5, MT= 18
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```
ERROR(S) FOUND IN MAT=9237, MF= 5, MT=455
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

4. Missing a section/file

```
ERROR(S) FOUND IN MAT=9237, MF= 6, MT= 17
SECTION MAT= 9237 MF= 4 MT= 18 IS MISSING
SECTION MAT= 9237 MF= 5 MT= 18 IS MISSING
SECTION MAT= 9237 MF= 5 MT= 455 IS MISSING
```

• fizcon Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

---

g-093\_Np\_237.endf

---

• checkr Errors:

1. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9346, MF= 4, MT= 18
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

2. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9346, MF= 5, MT= 18
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```
ERROR(S) FOUND IN MAT=9346, MF= 5, MT=455
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

4. Missing a section/file

```
ERROR(S) FOUND IN MAT=9346, MF= 6, MT= 17
SECTION MAT= 9346 MF= 4 MT= 18 IS MISSING
SECTION MAT= 9346 MF= 5 MT= 18 IS MISSING
SECTION MAT= 9346 MF= 5 MT= 455 IS MISSING
```

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

2. Implied intermediate level energy should be something else

```
ERROR(S) FOUND IN MAT=9346, MF= 3, MT= 5
IMPLIED INTERMEDIATE LEVEL ENERGY SHOULD BE 0.0 SEQUENCE NUMBER 1
```

---

g-094\_Pu\_238.endf

---

- **checkr** Errors:

1. Missing a section/file

```
ERROR(S) FOUND IN MAT=9434, MF= 1, MT=456
THIS SECTION REQUIRES THE PRESENCE OF SECTION 1/SEQUENCE NUMBER 1
LFI INCORRECT OR NUBAR-TOTAL MISSING PRECEDING SEQUENCE NUMBER 1
```

2. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9434, MF= 5, MT= 5
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 9999
```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```
ERROR(S) FOUND IN MAT=9434, MF= 4, MT= 16
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 9999
```

...

4. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9434, MF= 4, MT= 5
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 9999
```

- **fizcon Errors:**

1. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 5 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 16 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

2. Outgoing energy E' not energetically allow: E' .le. E-Q.

```
ERROR(S) FOUND IN MAT=9434, MF= 5, MT= 5
FOR LF=1 EPMAX FOUND TO BE 4.00000E-05 SHOULD BE 0.00000E+00
```

```
ERROR(S) FOUND IN MAT=9434, MF= 5, MT= 16
FOR LF=1 EPMAX FOUND TO BE 4.00000E-05 SHOULD BE 0.00000E+00
```

3. Missing files (probably nubar for some such thing)

```
ERROR(S) FOUND IN MAT=9434, MF= 1, MT=456
THIS SECTION REQUIRES THAT MISSING FILE 1, MT= 452 BE PRESENT
BOTH SECTIONS MF=1, MT=455 AND MT=456 MUST BE PRESENT
```

---

g-094\_Pu\_239.endf

- **checkr Errors:**

1. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9437, MF= 4, MT= 18
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

2. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9437, MF= 5, MT= 18
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

3. Sections out of order in directory so your directory is messed up. This error will break everything else

```
ERROR(S) FOUND IN MAT=9437, MF= 5, MT=455
OUT OF SEQUENCE AT SEQUENCE NUMBER 1
FILE 5 NOT ALLOWED FOR NSUB = 0 SEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

4. Missing a section/file

```
ERROR(S) FOUND IN MAT=9437, MF= 6, MT= 17
SECTION MAT= 9437 MF= 4 MT= 18 IS MISSING
SECTION MAT= 9437 MF= 5 MT= 18 IS MISSING
SECTION MAT= 9437 MF= 5 MT= 455 IS MISSING
```

- **fizcon** Errors:

1. The cross section and an outgoing distribution don't span the same energy region.

```
ERROR(S) FOUND IN MAT=9437, MF= 5, MT= 18
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 18
```

2. Missing files (probably spectra for outgoing particles)

```
ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

---

g-094\_Pu\_240.endf

---

- **checkr** Errors:

1. This file only allowed in neutron sublibrary

```
ERROR(S) FOUND IN MAT=9440, MF= 4, MT= 18
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999
```

- This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9440, MF= 5, MT= 18
  FILE 5 NOT ALLOWED FOR NSUB =      0      SEQUENCE NUMBER      1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999

```

- Sections out of order in directory so your directory is messed up. This error will break everything else

```

ERROR(S) FOUND IN MAT=9440, MF= 5, MT=455
  OUT OF SEQUENCE AT      SEQUENCE NUMBER      1
  FILE 5 NOT ALLOWED FOR NSUB =      0      SEQUENCE NUMBER      1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999

```

- Missing a section/file

```

ERROR(S) FOUND IN MAT=9440, MF= 6, MT= 17
  SECTION MAT= 9440  MF= 4  MT= 18  IS MISSING
  SECTION MAT= 9440  MF= 5  MT= 18  IS MISSING
  SECTION MAT= 9440  MF= 5  MT= 455 IS MISSING

```

- **fizcon Errors:**

- Missing files (probably spectra for outgoing particles)

```

ERROR(S) - MISSING SECTIONS IN MAT  -1 MF 6
  PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6

```

---

g-094\_Pu\_241.endf

---

- **checkr Errors:**

- Missing a section/file

```

ERROR(S) FOUND IN MAT=9443, MF= 1, MT=456
  THIS SECTION REQUIRES THE PRESENCE OF SECTION 1/SEQUENCE NUMBER      1
  LFI INCORRECT OR NUBAR-TOTAL MISSING  PRECEDING SEQUENCE NUMBER      1

```

- This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9443, MF= 5, MT= 5
  FILE 5 NOT ALLOWED FOR NSUB =      0      SEQUENCE NUMBER      1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999

```

- Sections out of order in directory so your directory is messed up. This error will break everything else

```

ERROR(S) FOUND IN MAT=9443, MF= 4, MT= 16
  OUT OF SEQUENCE AT                               SEQUENCE NUMBER    1
  FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER    1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER    1 TO    99999

```

...

4. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9443, MF= 4, MT= 5
  FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER    1
  SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER    1 TO    99999

```

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)

```

ERROR(S) - MISSING SECTIONS IN MAT  -1 MF  6
  PRESENCE OF FILE 3, MT=  5 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 16 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6

```

2. The cross section and an outgoing distribution don't span the same energy region.

```

ERROR(S) FOUND IN MAT=9443, MF= 5, MT= 18
  SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE  3, MT= 18

```

3. A level's energy is somehow off

```

WARNING(S)      IN MAT=9443, MF= 3, MT= 18
  Q= 0.00000E+00 MIGHT BE UNREASONABLE           SEQUENCE NUMBER    1

```

4. Outgoing energy E' not energetically allow: E' .le. E-Q.

```

ERROR(S) FOUND IN MAT=9443, MF= 5, MT= 5
  FOR LF=1 EPMAX FOUND TO BE 4.00000E-05 SHOULD BE 0.00000E+00

```

```

ERROR(S) FOUND IN MAT=9443, MF= 5, MT= 16
  FOR LF=1 EPMAX FOUND TO BE 4.00000E-05 SHOULD BE 0.00000E+00

```

5. Missing files (probably nubar for some such thing)

```

ERROR(S) FOUND IN MAT=9443, MF= 1, MT=456
  THIS SECTION REQUIRES THAT MISSING FILE 1, MT= 452 BE PRESENT
  BOTH SECTIONS MF=1, MT=455 AND MT=456 MUST BE PRESENT

```

---

g-095\_Am\_241.endf

- checkr Errors:

1. This file only allowed in neutron sublibrary

```

ERROR(S) FOUND IN MAT=9543, MF= 5, MT= 18
FILE 5 NOT ALLOWED FOR NSUB =      0          SEQUENCE NUMBER      1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999

```

2. Sections out of order in directory so your directory is messed up. This error will break everything else

```

ERROR(S) FOUND IN MAT=9543, MF= 5, MT=455
OUT OF SEQUENCE AT          SEQUENCE NUMBER      1
FILE 5 NOT ALLOWED FOR NSUB =      0          SEQUENCE NUMBER      1
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      1 TO 99999

```

3. Missing a section/file

```

ERROR(S) FOUND IN MAT=9543, MF= 6, MT= 16
SECTION MAT= 9543  MF= 5  MT= 18  IS MISSING
SECTION MAT= 9543  MF= 5  MT= 455  IS MISSING

```

- fizcon Errors:

1. Missing files (probably spectra for outgoing particles)

```

ERROR(S) - MISSING SECTIONS IN MAT  -1 MF 6
PRESENCE OF FILE 3, MT= 18 REQUIRES AN EQUIVALENT SECTION IN FILE 6

```

2. Implied intermediate level energy should be something else

```

ERROR(S) FOUND IN MAT=9543, MF= 3, MT= 5
IMPLIED INTERMEDIATE LEVEL ENERGY SHOULD BE 0.0 SEQUENCE NUMBER      1

```